

Table S17 Trend analyses using alternative estimate of radon concentration

Model includes cumulative radon exposure, cumulative gamma-ray exposure and quintiles of Carstairs index of deprivation

Radon exposure estimated as mean for the County District of birth

Exposure period: birth to diagnosis

ICCC3	Diagnostic Grouping	Number of Cases	Number of Controls	Relative Risk							
				RR ^a	Radon 95% CI		p	RR ^b	Gamma 95% CI		p
11	Lymphoid Leukaemia	7267	9571	0.93	0.82	1.06	0.28	1.10	1.02	1.19	0.01
12	Acute Myeloid Leukaemia	1316	1737	1.00	0.71	1.40	0.98	1.04	0.89	1.20	0.65
13-15	Other Leukaemia	475	604	0.66	0.15	2.93	0.59	1.19	0.89	1.57	0.24
11-15	Total Leukaemia	9058	11912	0.94	0.83	1.05	0.28	1.09	1.02	1.17	0.01
21	Hodgkin's disease	939	1388	0.90	0.61	1.34	0.60	1.04	0.93	1.16	0.52
22	Non-Hodgkin Lymphoma	983	1302	1.01	0.73	1.39	0.96	1.05	0.90	1.22	0.56
21-25	Total Lymphoma	2319	3274	0.98	0.77	1.24	0.85	1.01	0.93	1.09	0.84
11, 22	Lymphoid Leukaemia + NHL	8250	10873	0.94	0.84	1.06	0.31	1.09	1.02	1.17	0.01
11-15, 22	Total Leukaemia + NHL	10041	13214	0.94	0.85	1.05	0.30	1.09	1.02	1.15	0.01
31-36	Brain/CNS (including Benign)	6585	8997	0.96	0.87	1.06	0.42	1.02	0.96	1.09	0.46
41-122	Other malignant tumours	9485	12610	1.00	0.92	1.09	0.96	1.02	0.96	1.08	0.57
21-122	Not Leukaemia	18389	24881	0.98	0.92	1.04	0.58	1.02	0.98	1.06	0.36
11-122	Total Childhood Cancer	27447	36793	0.97	0.92	1.03	0.31	1.04	1.00	1.07	0.03

^aRR for each 10³ Bq/m³ - years increase in cumulative radon exposure

^bRR for each mGy increase in cumulative gamma-ray exposure

RRs in bold are significantly different from 1.00 (P<0.05)

RRs in bold and underlined are significantly different from 1.00 (P<0.01)